

Interoperability Opportunities

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MSRR Community Interoperability Benefits

- Customer Satisfaction
 - Simplify efforts to discover, access and secure
 - Avoid incompatibilities
- Ease of use
 - Labor cost saving
 - Minimize duplication
 - Standard interfaces
- Coordinated capability / Cooperation

Interoperability Scope

- MSRR / CMSRR
 - DMSO Nodes
 - Service Nodes
 - Other Nodes
- FUNCTIONALITY
 - Discovery
 - Content based search
 - Registration
 - Catalogs
 - Access / Delivery
 - Collaboration
 - Security
- POLICY
- INTERFACE

User Registration Interop Levels

- Total Independence
- Common User registration data + local Options
- Interchange of selected User registration data between Nodes
- Reciprocity of user registration
- Standard use of metadata XML or other interchange mechanisms
- Common username across MSRR's & M&S Repositories (username synchronization)
- Mechanism for approving inter-service/agency registration
- Record keeping standards, archiving
- Common legal caveats, usage constraints

Resource Registration

Interop Levels

- Total Independence
- Common subset of resource registration data + local options
- Forwarding of registration data set
- Common resource type nomenclature
 - e.g. documents vs reports
 - Standard use of metadata XML or other interchange mechanisms
- Common Link quality monitoring
- Common resource quality profile (Standard quality metadata subset)
- Record keeping standards, archiving policies
- Reciprocity of PAO approvals
- Common legal caveats, usage constraints

Site Registration Interop Levels

- Configuration Requirements for interoperability
- Common Site Policies and Procedures
 - Security(physical/software)
 - Currency
- Distribution of Security S/W Components

Search Interop Levels

- Standard policies/procedures wrt requesting & granting rights to index protected areas
- Standard mechanism for automating indexing access security
- Common search syntax/semantics
- One stop search across all M&S Repositories
- Common Metadata subsets
- Common MIME types (non standard)
- Common Meta-tag Scheme
- Standard keywords and definitions

Security Interop Levels

- Central Certificate Authority
- Common security policy/profile
 - Standard MOU/MOAs
 - Common security environments(SSL level)
 - Common policy (applets, Active X, Meta-tags)
 - Common virus checking standards
 - Common access constraints
 - Common policy for reuse/redistribution of protected resources
 - Common approach to signed documents

Security Interop Levels(cont.)

- Seamless navigation in a security environment
 - Common username standards
 - Common password standards
 - Username deconfliction
 - Common username and password
 - Standards for Management of user access groups
 - Group access name deconfliction
- Transfer resource Meta-data & search index files to CMSRR
- Dial-in access to SIPRNET MSRR nodes

Collaboration Interop Levels

- Common one stop shopping (database access, user interface, security, mechanisms)
- Common CM policy/metadata
- Common MIME types
- Common meta-tags keywords
- Common browsers
- Plug-in library
- Net Meeting
- Channels standards
- Audio/video standards